

## Grade sheet – Cell Analogy Project

### Accuracy Checklist

Cell part	Accuracy of cell part function <i>Accurately described the function of the cell part</i>	Accuracy of Analogies <i>1. Accurate/detailed description of the analogy. 2. Picture of the analogy</i>
1. Nucleus		
2. chloroplast		
3. cell membrane		
4. Cell Wall		
5. Vacuole		
6. Cytoplasm		
7. Mitochondrion		
8. Lysosomes		
9. Ribosomes		

### RUBRIC

	5	4	3	2	1
<b>Accuracy of cell part function</b>		Student accurately described the functions of all parts in their own words.	Student accurately described the functions of <b>7-8</b> parts in their own words.	Student accurately described the functions <b>5-6</b> parts in their own words.	Student accurately described the functions of <b>0-4</b> parts.
<b>Accuracy of analogies</b>	Extremely accurate and detailed description of the analogies for <b>all</b> cell parts  Picture of the analogy for <b>all</b> parts  <i>Analogies show creativity and deep understanding of the function of the cell part.</i>	Extremely accurate and detailed description of the analogies for <b>all</b> cell parts  Picture of the analogy for <b>all</b> parts	Accurate and detailed description of the analogies for all <b>most</b> cell parts  Picture of the analogy for <b>most</b> parts	Accurate and detailed description of the analogies for <b>some</b> cell parts  Picture of the analogy for <b>some</b> parts	Accurate and detailed description of the analogies for <b>few</b> cell parts  Picture of the analogy for <b>few</b> parts
<b>Quality of Work</b>	The entire project is very neat and colored  Everything is easy to read and the layout is organized.		<b>Most</b> of the project is neat and colored.  <b>Most</b> parts are easy to read and organized.	<b>Some</b> of the project is neat and colored.  <b>Some</b> parts are easy to read and organized.	<b>A few</b> parts of the project are neat and colored.  <b>A few</b> parts are easy to read and organized.

## Organelle Analogy Project

### Analogy:

Define: \_\_\_\_\_

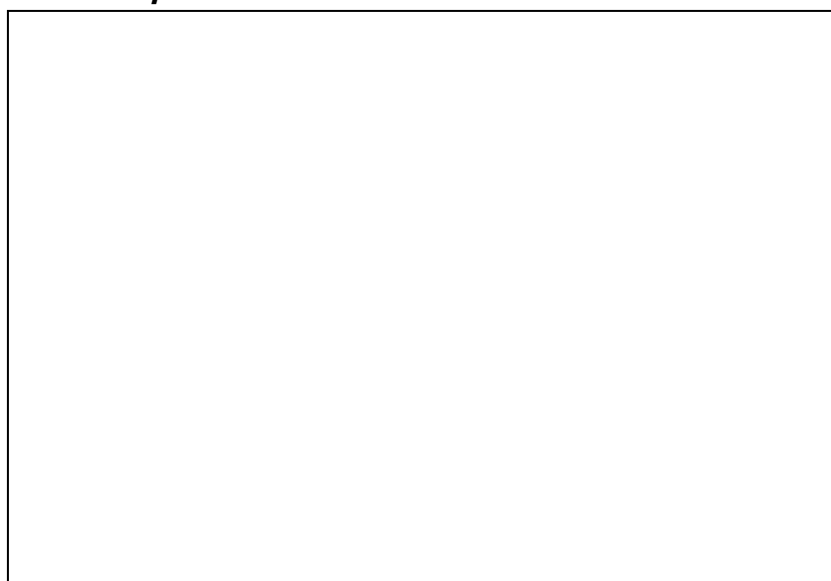
\_\_\_\_\_

Example: \_\_\_\_\_

### INSTRUCTIONS:

1. Title your poster
2. Draw a plant cell.
3. Draw all of the following parts in the cell.
  - ☐ nucleus
  - ☐ chloroplast
  - ☐ cell membrane
  - ☐ cell wall
  - ☐ vacuole
  - ☐ cytoplasm
  - ☐ mitochondrion
  - ☐ lysosomes
  - ☐ ribosomes
4. Draw an arrow to label each part of the cell. You must have the following things in your label:
  1. The name and function of the structure (*IN YOUR OWN WORDS*)
  2. An analogy that has a similar function (or use) of that cell part. (*OWN WORDS*)  
**You must explain the reasoning behind your analogies.** Be DETAILED and SPECIFIC! I should be able to understand the function of the cell part based on your explanation.
  3. A picture that matches the analogy (internet, magazine, drawing, etc).

### Example



Your poster

**Golgi Bodies** – *packages and transports materials to different parts of the cell.*

The Golgi Bodies are like the post office because it packages/transport materials just like the post office packages and transports mail.



Detail of one part